

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled NETWORK SWITCHING DEVICE WITH FORWARDING DATABASE TABLES POPULATED BASED ON USE, the specification of which was filed on October 5, 1998, as Application Serial No. 09/166,604.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56. If this is a continuation-in-part application filed under the conditions specified in 35 U.S.C. § 120 which discloses and claims subject matter in addition to that disclosed in the prior copending application, I further acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed
_____	_____	_____	<input type="checkbox"/> <input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes No

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application, to file a corresponding international application, and to transact all business in the Patent and Trademark Office connected therewith:

Name	Reg. No.	Name	Reg. No.
Kenneth S. Klarquist	16,445	Donald L. Stephens Jr.	34,022
James Campbell	19,978	Stacey C. Slater	36,011
James S. Leigh	20,434	Garth A. Winn	33,220
Arthur L. Whinston	19,155	Stephen A. Wight	37,759
David P. Petersen	28,106	Joel R. Meyer	37,677
Richard J. Polley	28,107	Joseph T. Jakubek	34,190
Ramon A. Klitzke II	30,188	Robert F. Scotti	39,830
William Y. Conwell	31,943	Gregory V. Bean	36,448
Mark L. Becker	31,325	David J. Earp	41,401
William D. Noonan	30,878	Lisa M. Caldwell	41,653
John D. Vandenberg	31,312	Michael D. Jones	41,879
John W. Stuart	24,540	Steven D. Yates	42,242

Address all telephone calls to Robert F. Scotti at telephone number (503) 226-7391.

Address all correspondence to:

KLARQUIST SPARKMAN CAMPBELL  
LEIGH & WHINSTON, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Jayasenan Sundara Ganesh

Inventor's signature Jayasenan Sundara Ganesh 11/16/98  
Date

Residence: 15821 East 4<sup>th</sup> Avenue, #218, Veradale, WA 99037

Citizenship: India

Post Office address: 15821 East 4<sup>th</sup> Avenue, #218, Veradale, WA 99037

Full name of second joint inventor: Timothy Scott Michels

Inventor's signature Timothy Scott Michels 11/16/98  
Date

Residence: 11621 East 47<sup>th</sup>, Spokane WA 99206

Citizenship: United States of America

Post Office address: 11621 East 47<sup>th</sup>, Spokane WA 99206

Full name of third joint inventor: Parmajeet Singh

Inventor's signature Parmajeet Singh 11/16/98  
Date

Residence: 15209 East 21<sup>st</sup> Street, Veradale, WA 99037

Citizenship: India

Post Office address: 15209 East 21<sup>st</sup> Street, Veradale, WA 99037

Full name of fourth joint inventor: Greg W. Davis

Inventor's signature Greg W. Davis 11/16/98  
Date

Residence: 3815 South Union, Spokane, WA 99206

Citizenship: United States of America

Post Office Address: 3815 South Union, Spokane, WA 99206

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jayasenan S. Ganesh, et al.  
Application No. : 09/166,604  
Filed : October 5, 1998  
Title : NETWORK SWITCHING DEVICE WITH FORWARDING DATABASE  
TABLES POPULATED BASED ON USE

Grp./Div. : 2731  
Examiner : Not Assigned

Docket No. : 34886/SAH/X2

SUBSTITUTION OF ATTORNEY BY ASSIGNEE

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Commissioner:

Packet Engines Incorporated, assignee of the entire interest in and to the above-identified U.S. patent application under an Assignment recorded in the U.S. Patent and Trademark Office on October 28, 1998, at Reel 9581, Frame(s) 0803, hereby revokes all previous Powers of Attorney and appoints:

R. W. Johnston	(17,968)	John D. Carpenter	(34,133)	Lucinda G. Auciello	(42,270)
D. Bruce Prout	(20,958)	David A. Plumley	(37,208)	Norman E. Carte	(30,455)
Hayden A. Carney	(22,653)	Wesley W. Monroe	(39,778)	Joel A. Kauth	(41,886)
Richard J. Ward, Jr.	(24,187)	John W. Eldredge	(37,613)	Patrick Y. Ikehara	(42,681)
Russell R. Palmer, Jr.	(22,994)	Gregory S. Lampert	(35,581)	Mark Garscia	(31,953)
LeRoy T. Rahn	(20,356)	Grant T. Langton	(39,739)	Gary J. Nelson	(44,257)
Richard D. Seibel	(22,134)	Constantine Marantidis	(39,759)	Raymond R. Tabandeh	(43,945)
Walter G. Maxwell	(25,355)	Daniel R. Kimbell	(34,849)	Phuong-Quan Hoang	(41,839)
William P. Christie	(29,371)	Craig A. Gelfound	(41,032)	Jun-Young E. Jeon	(43,693)
David A. Dillard	(30,831)	Syed A. Hasan	(41,057)	Kathy Mojibi	(41,409)
Thomas J. Daly	(32,213)	Kathleen M. Olster	(42,052)	Cynthia A. Bonner	(P-44,548)
Vincent G. Gioia	(19,959)	Daniel M. Cavanagh	(41,661)		
Edward R. Schwartz	(31,135)	Molly A. Holman	(40,022)		

all members or associates of or of counsel to the firm CHRISTIE, PARKER & HALE, LLP, telephone (626) 795-9900, as principal attorneys with power to appoint associate attorneys, to

I HEREBY CERTIFY THAT THIS CORRESPONDENCE  
IS BEING DEPOSITED WITH THE U.S. POSTAL  
SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE  
ADDRESSED TO: ASSISTANT COMMISSIONER FOR  
PATENTS, WASHINGTON, D.C. 20231 ON

-1-

DATE

SIGNATURE

Application No. 09/166,604

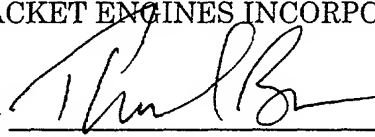
prosecute this application and any subsequent application based on the disclosure of this application, and to transact all business in the Patent and Trademark Office connected with this application and any subsequent application.

The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

Please address all correspondence to **CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, California 91109-7068.**

PACKET ENGINES INCORPORATED

Date 8.27.99

By   
Thomas Burns  
Chief Financial Officer

SAH/rvw  
RVW PAS201459.1

RFS/mlk 10/9/98 5504-50970

## ASSIGNMENT

WHEREAS, WE, Timothy Scott Michels of Spokane, State of Washington, James E. Cathey of Greenacres, State of Washington, Greg W. Davis of Spokane, State of Washington and Bernard N. Daines of Spokane, State of Washington have invented a certain invention entitled NETWORK SWITCHING DEVICE WITH CONCURRENT KEY LOOKUPS, for which we have made application for Letters Patent of the United States, said application having been filed October 5, 1998; and

WHEREAS, Packet Engines Incorporated, with the mailing address of PO Box 14497, Spokane, Washington 99214-0497, is desirous of acquiring an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, Timothy Scott Michels, James E. Cathey, Greg W. Davis and Bernard N. Daines hereby sell, assign and transfer to Packet Engines Incorporated, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Packet Engines Incorporated for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Packet Engines Incorporated or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Packet Engines Incorporated, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

RFS/mlt 10/9/98 5308-50970

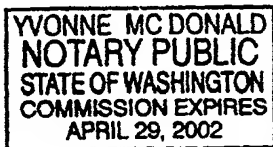
We further authorize our attorneys, Klarquist Sparkman Campbell Leigh & Winston, to insert below the application number of this patent application after the number becomes known from the United States Patent Office.

Date: 10/9/98

Timothy Scott Michels  
Timothy Scott Michels

STATE OF WASHINGTON )  
COUNTY OF SPOKANE ) ss.

This 9<sup>th</sup> day of October, 1998, before me personally came the above-named Timothy Scott Michels, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[Seal]

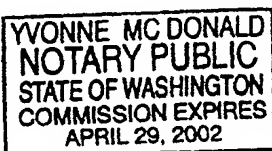
Yvonne McDonald  
Notary Public for Washington  
My commission expires: APRIL 29, 2002

Date: 10/9/98

James E. Cathey  
James E. Cathey

STATE OF WASHINGTON )  
COUNTY OF SPOKANE ) ss.

This 9<sup>th</sup> day of October, 1998, before me personally came the above-named James E. Cathey, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[Seal]

Yvonne McDonald  
Notary Public for Washington  
My commission expires: APRIL 29, 2002

RFS/mk 10/9/98 3508-30970

Date: 10/9/98

STATE OF WASHINGTON )

COUNTY OF SPOKANE )

ss.

Greg W. Davis  
Greg W. Davis

This 9<sup>th</sup> day of October, 1998, before me personally came the above-named Greg W. Davis, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[Seal]

YVONNE MC DONALD  
NOTARY PUBLIC  
STATE OF WASHINGTON  
COMMISSION EXPIRES  
APRIL 29, 2002

Yvonne McDonald  
Notary Public for Washington  
My commission expires: APRIL 29, 2002

Date: 10/9/98

STATE OF WASHINGTON )

COUNTY OF SPOKANE )

ss.

Bernard N. Daines  
Bernard N. Daines

This 9<sup>th</sup> day of October, 1998, before me personally came the above-named Bernard N. Daines, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[Seal]

YVONNE MC DONALD  
NOTARY PUBLIC  
STATE OF WASHINGTON  
COMMISSION EXPIRES  
APRIL 29, 2002

Yvonne McDonald  
Notary Public for Washington  
My commission expires: APRIL 29, 2002

The application referred to above was filed in the United States Patent and Trademark Office on October 5, 1998, and was given application No. 09/166,707.

This insertion made by me this 20<sup>th</sup> day of October, 1998.

Wanda Baker  
Attorney for Applicants

10027722-100004

RFS/mlt 10/9/98 5508-51067

## A S S I G N M E N T

WHEREAS, WE, Jayasenana Sundara Ganesh of Veradale, State of Washington, Timothy Scott Michels of Spokane, State of Washington, Parmajeet Singh of Veradale, State of Washington and Greg W. Davis of Spokane, State of Washington have invented a certain invention entitled NETWORK SWITCHING DEVICE WITH FORWARDING DATABASE TABLES POPULATED BASED ON USE, for which we have made application for Letters Patent of the United States, said application having been filed October 5, 1998; and

WHEREAS, Packet Engines Incorporated, with the mailing address of PO Box 14497, Spokane, Washington 99214-0497, is desirous of acquiring an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, Jayasenana Sundara Ganesh, Timothy Scott Michels, Parmajeet Singh and Greg W. Davis hereby sell, assign and transfer to Packet Engines Incorporated, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Packet Engines Incorporated for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Packet Engines Incorporated or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Packet Engines Incorporated, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

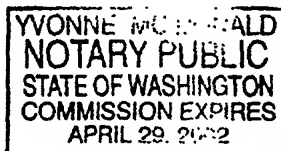
RFS/mlt 10/9/98 5508-51067

We further authorize our attorneys, Klarquist Sparkman Campbell Leigh & Winston, to insert below the application number of this patent application after the number becomes known from the United States Patent Office.

Date: 10/9/98  
 STATE OF WASHINGTON )  
 COUNTY OF SPOKANE ) ss.

Jayasenana Sundara Ganesh  
 Jayasenana Sundara Ganesh

This 9<sup>TH</sup> day of October, 1998, before me personally came the above-named Jayasenana Sundara Ganesh, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



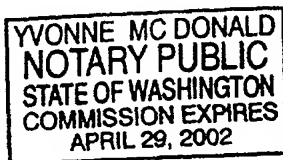
[Seal]

Yvonne McDonald  
 Notary Public for Washington  
 My commission expires: April 29, 2002

Date: 10/9/98  
 STATE OF WASHINGTON )  
 COUNTY OF SPOKANE ) ss.

Timothy Scott Michels  
 Timothy Scott Michels

This 9<sup>TH</sup> day of October, 1998, before me personally came the above-named Timothy Scott Michels, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[Seal]

Yvonne McDonald  
 Notary Public for Washington  
 My commission expires: April 29, 2002

RFS/mlk 10/9/98 5508-51067

Date:

10	9	98
----	---	----

STATE OF WASHINGTON

COUNTY OF SPOKANE )

**Parmajeet Singh**

This 9<sup>th</sup> day of October, 1998, before me personally came the above-named Parmajeet Singh, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[Seal]

**YVONNE MC DONALD  
NOTARY PUBLIC  
STATE OF WASHINGTON  
COMMISSION EXPIRES  
APRIL 29, 2002**

Therese A. Dwyer  
Notary Public for Washington  
My commission expires: APRIL 29, 2002.

Date:

10/9/98

STATE OF WASHINGTON

COUNTY OF SPOKANE )

Greg W. Davis

This 9<sup>th</sup> day of October, 1998, before me personally came the above-named Greg W. Davis, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[Seal]

**YVONNE MC DONALD  
NOTARY PUBLIC  
STATE OF WASHINGTON  
COMMISSION EXPIRES  
APRIL 29, 2002**

Guerre M. Donald  
Notary Public for Washington  
My commission expires: April 29, 2002

The application referred to above was filed in the United States Patent and Trademark Office on October 5, 1998, and was given application No. 09/166,604.

This insertion made by me this 20<sup>th</sup> day of October, 1998.

### Attorney for Applicants